

AUTOMATIC SOFTWARE PRODUCTION SYSTEM
INVENTOR: IBORRA AND PASTOR
SERIAL NO. 09/872,413
FILING DATE: 06/01/01
DOCKET NO. CHG-001.1P

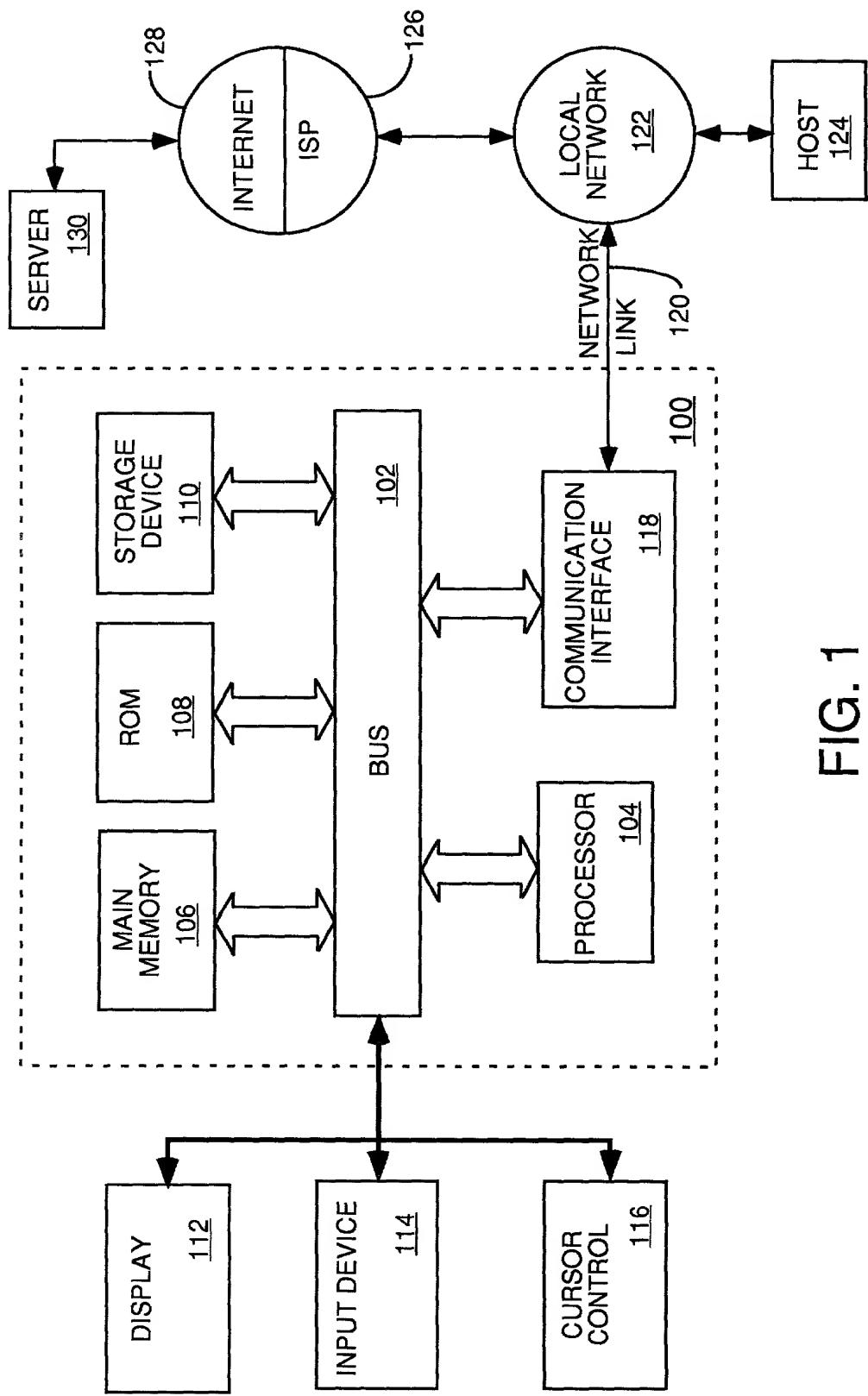


FIG. 1

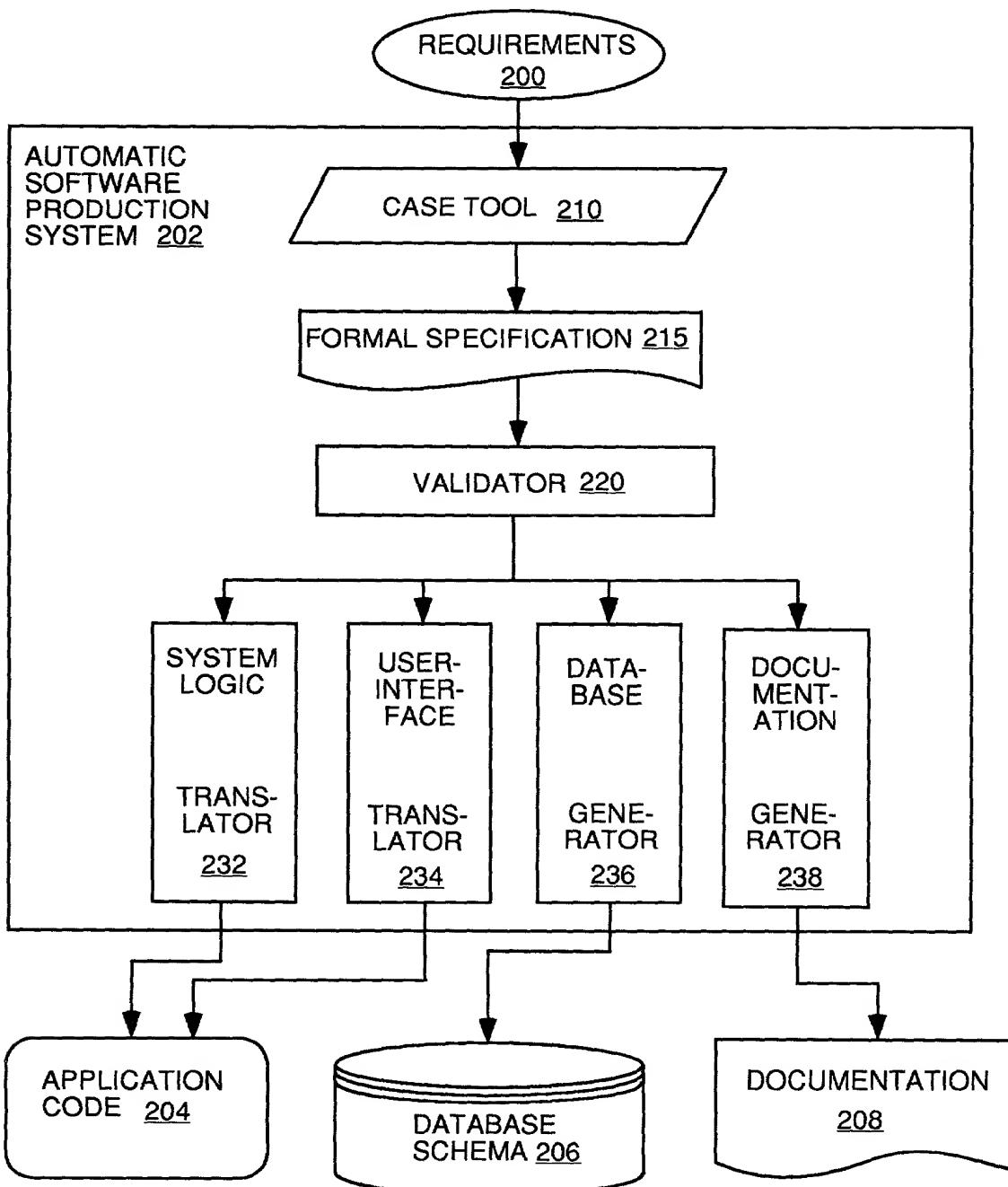


FIG. 2

FIG.
 3

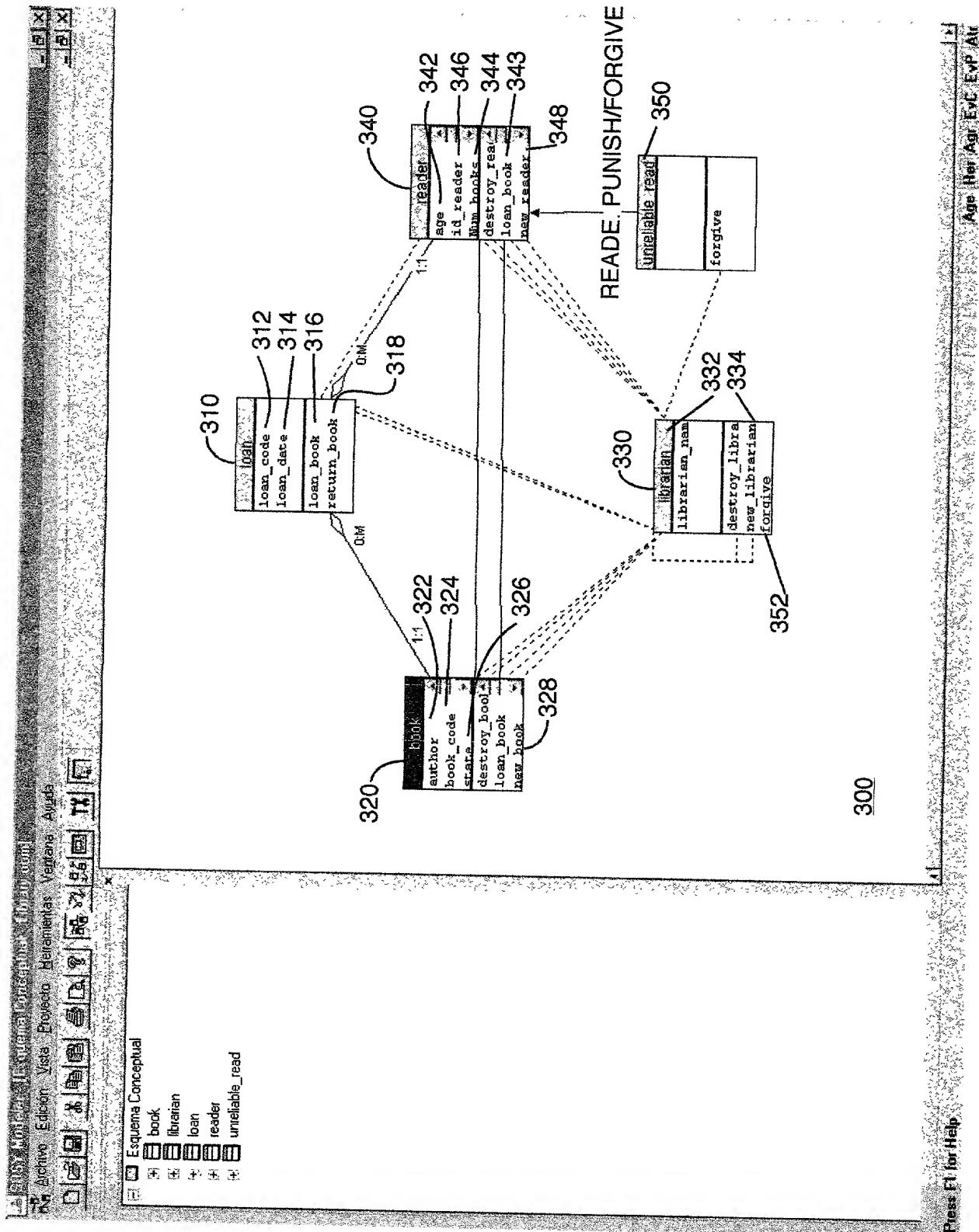
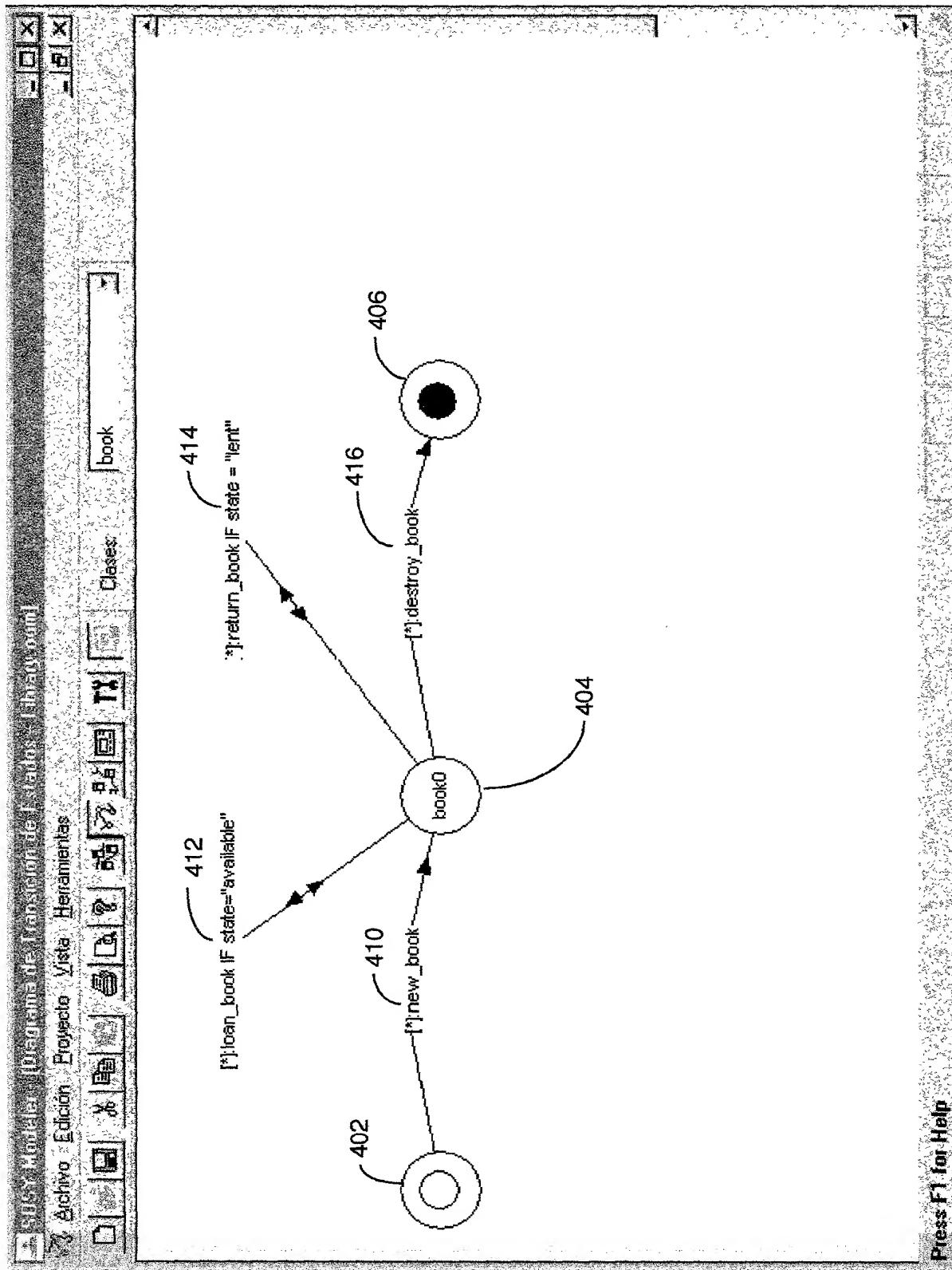


FIG.
4A



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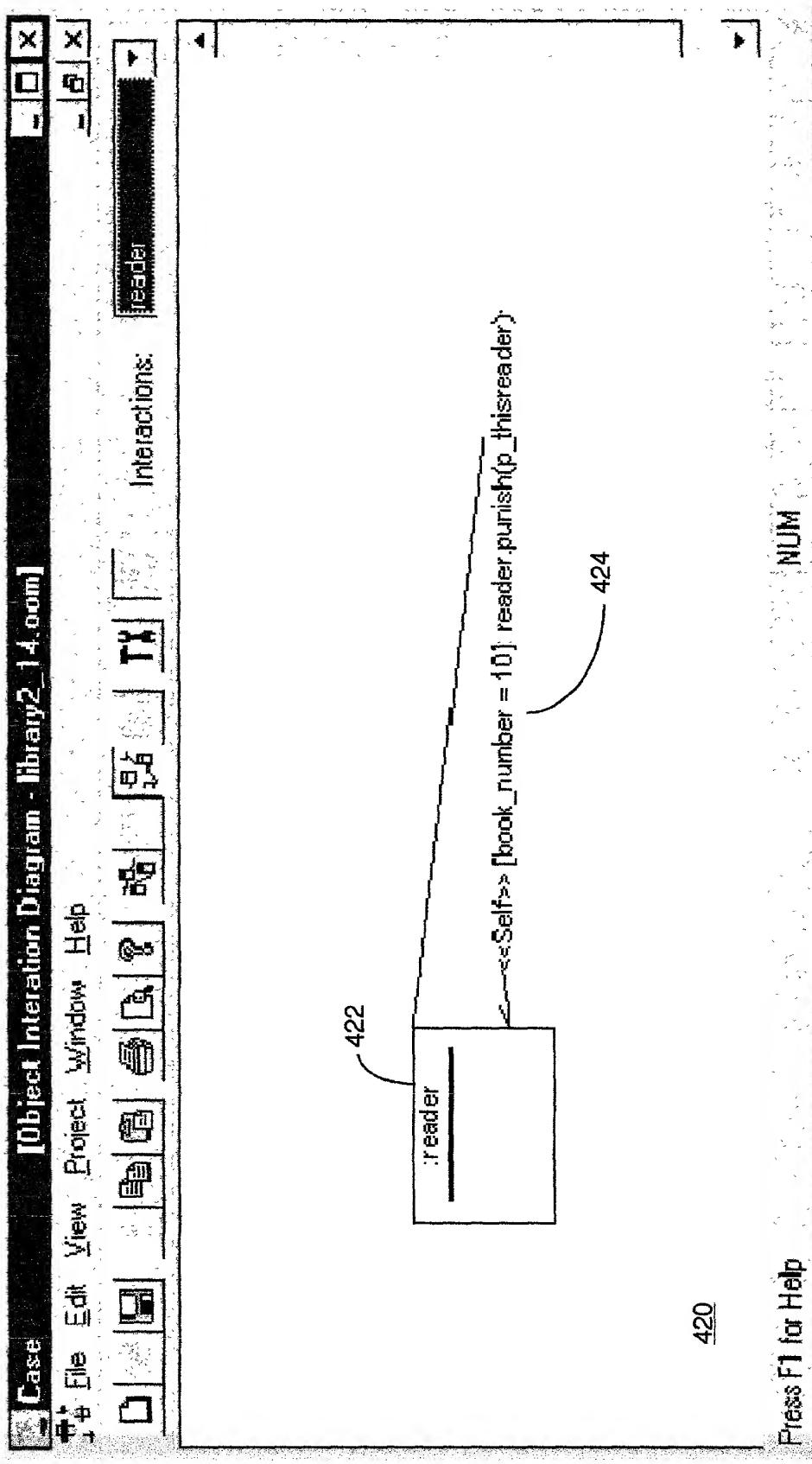


FIG. 4B

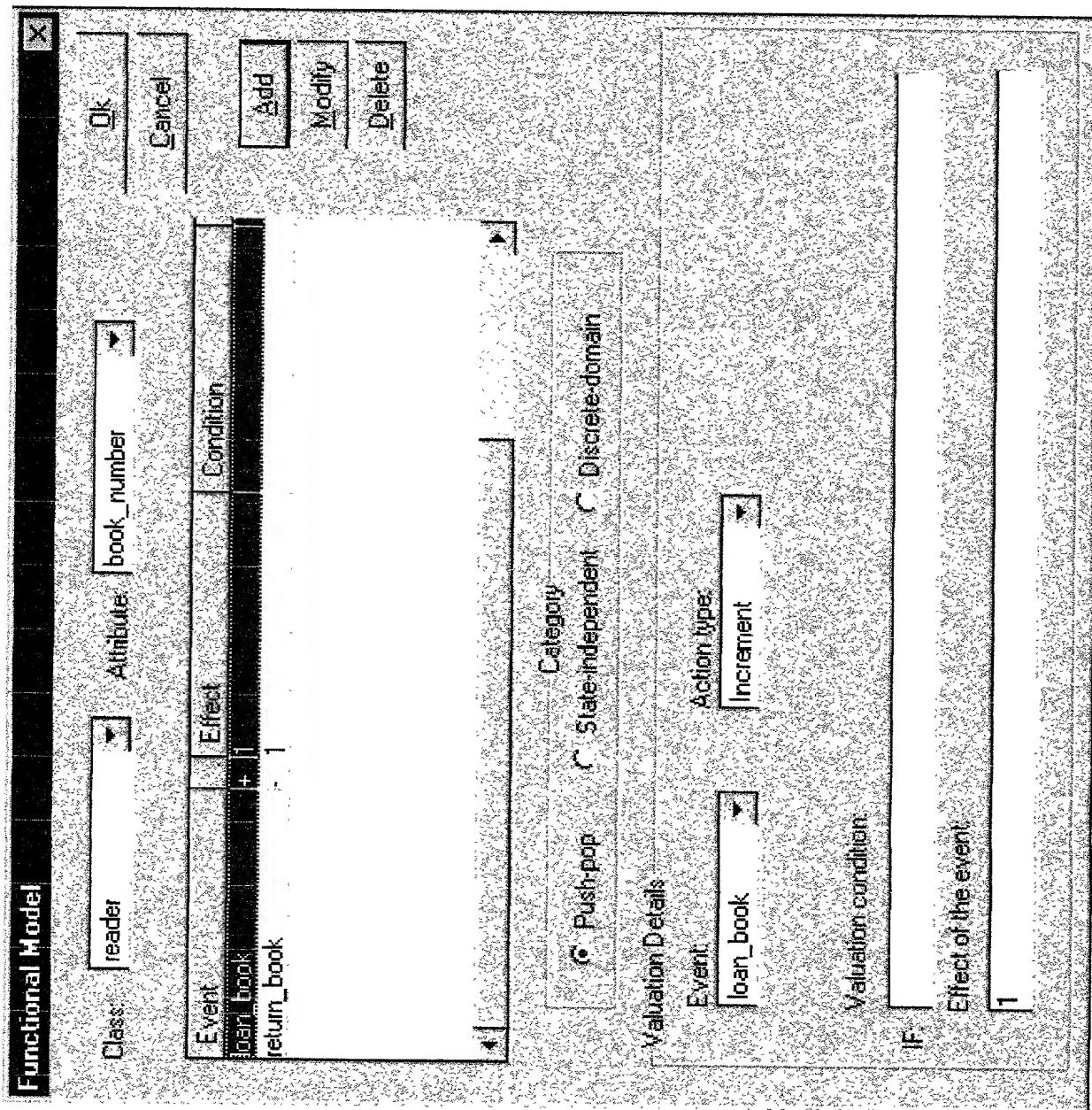


FIG. 5

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES OF SYSTEM LOGIC
TRANSLATORS WILL PERFORM

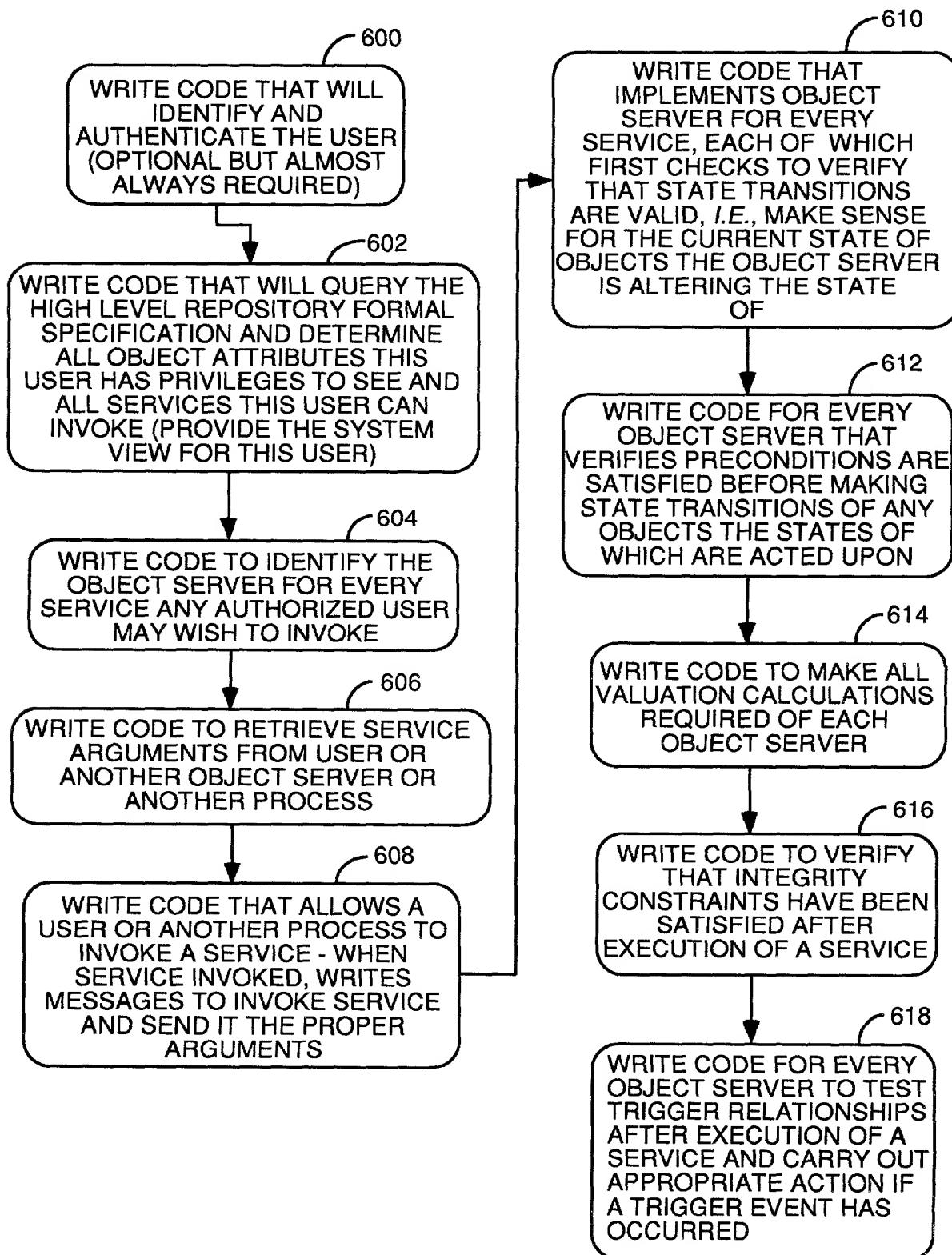


FIG. 6

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE USER INTERFACE
TRANSLATOR SUBGENUS WILL PERFORM

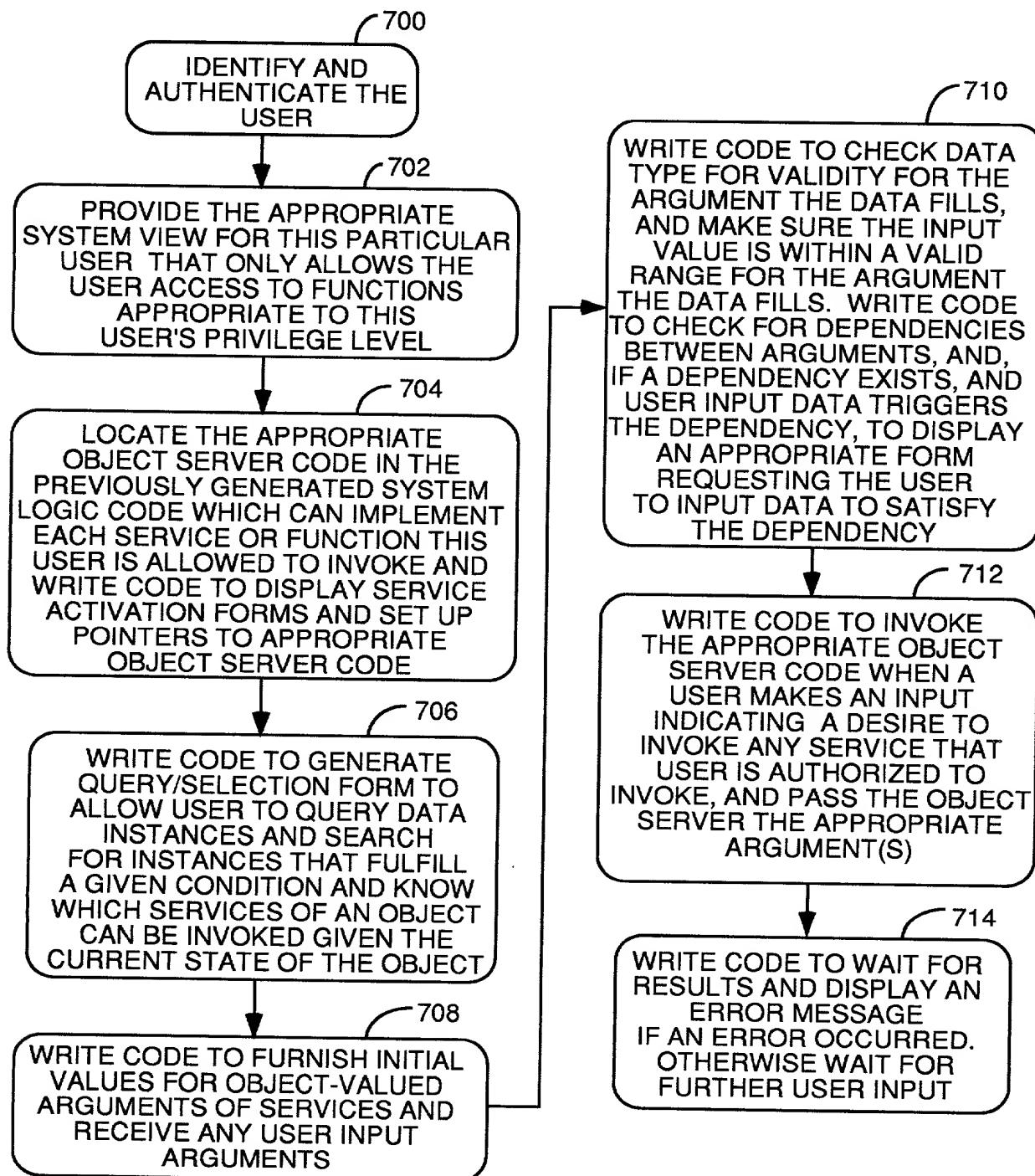


FIG. 7

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE DATABASE
GENERATOR TRANSLATOR SUBGENUS WILL PERFORM

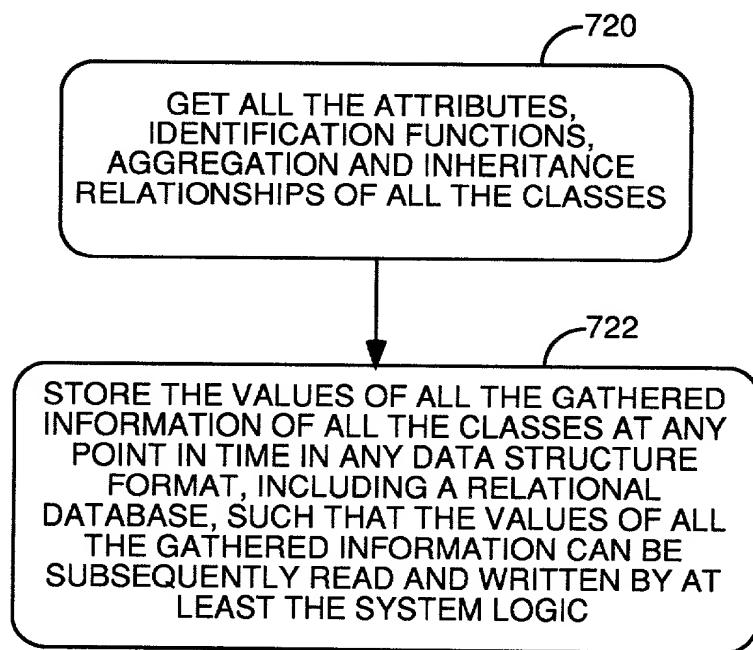
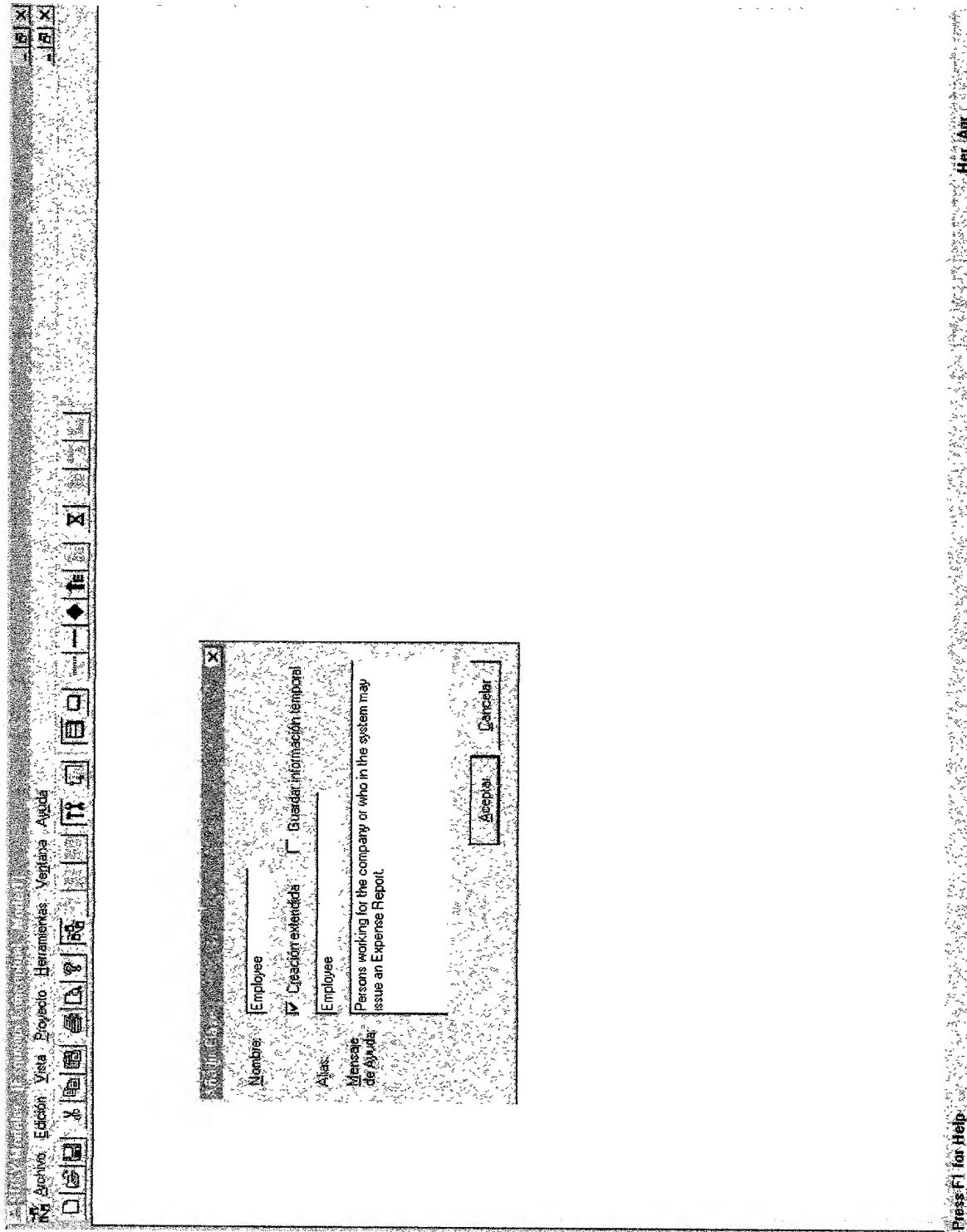


FIG. 8

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CLASS CREATION
DIALOG

FIG. 9A



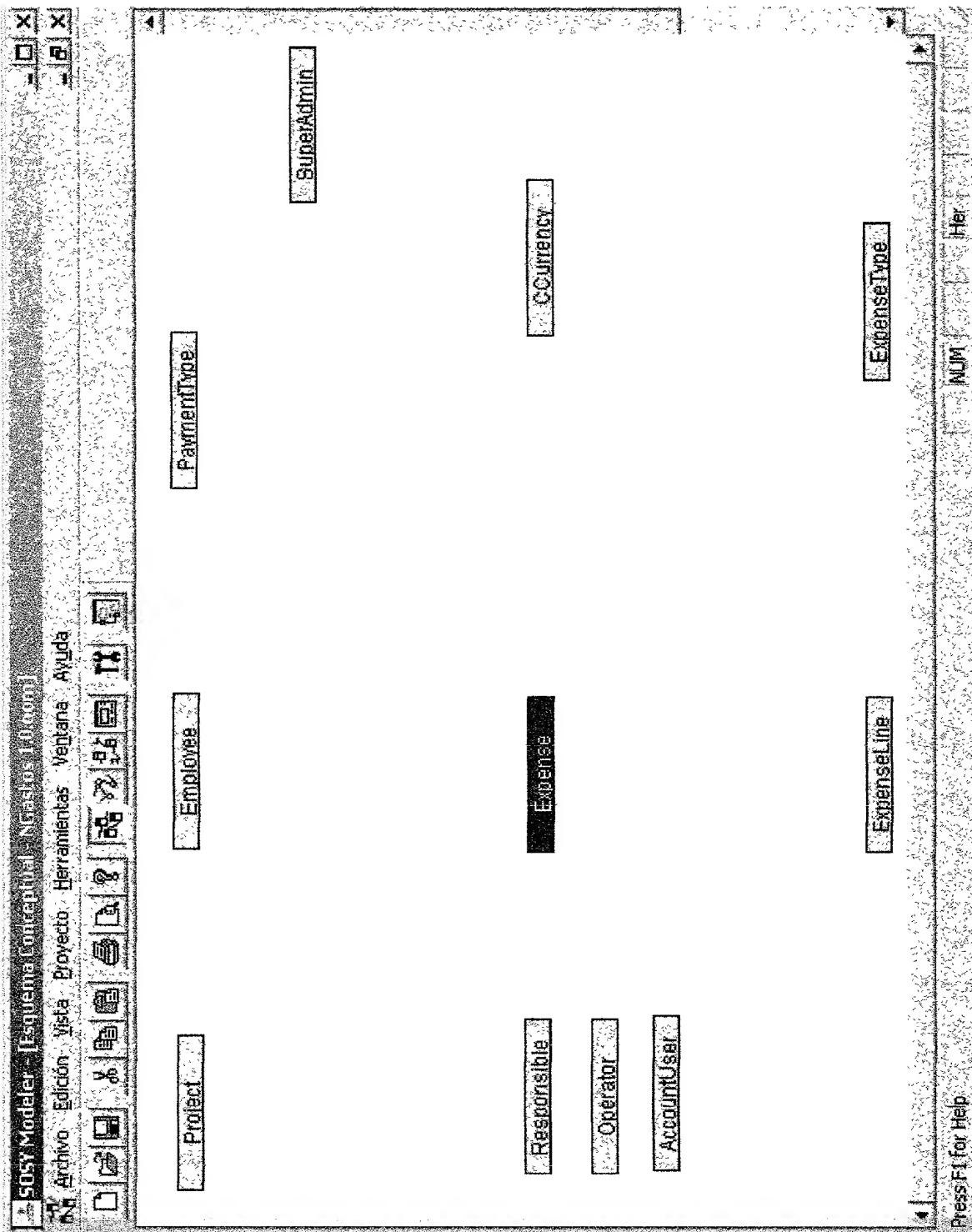
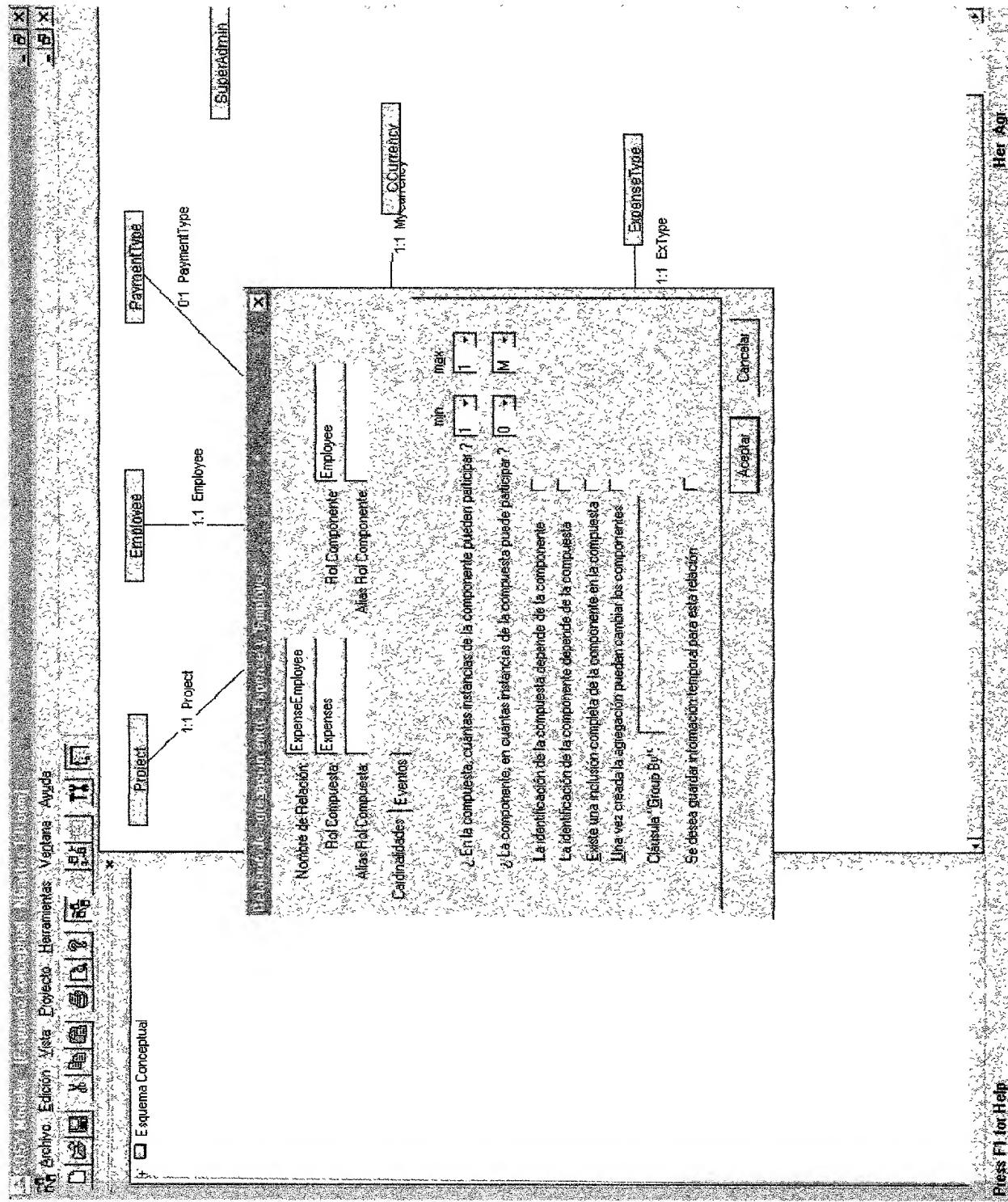


FIG. 9B

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GRAPHIC DIALOG
 TO CREATE
 RELATIONSHIPS
 BETWEEN
 CLASSES AND
 GRAPHICALLY
 SHOW THE
 RELATIONSHIPS
 SO CREATED

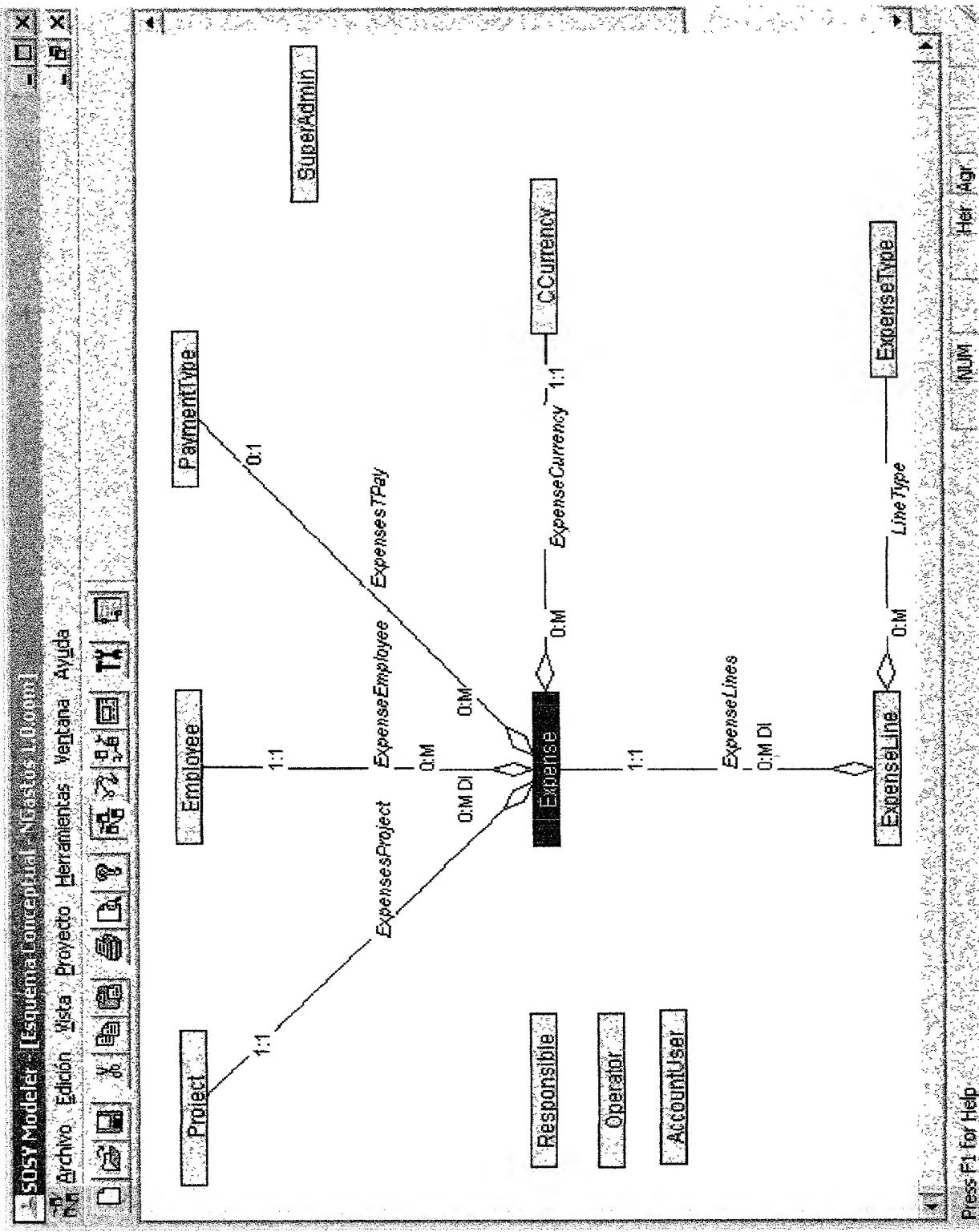


FIG. 10

Clase: Expense							
Atributos Servicios Devoluciones Restricciones Agentes Transacciones Relaciones Generalidades							
Atributos							
Nombre	Tipo Atributo	Tipo dato	Id	Tamano	Valor defecto	Pedir al crear	Nulos
PresentDate	Constante	Date			today()	Sí	No
Status	Variable	Int			0	No	No
Cause	Variable	String			255	Sí	No
AuthoDate	Variable	Date			NULL	No	Sí
AuthoComments	Variable	String			NULL	No	Sí
PaymentDate	Variable	Date			NULL	No	Sí
PayComments	Variable	String			NULL	No	Sí
TotalExpenses	Derivado	Real			NULL	No	Sí
TotalExpensesCur	Derivado	Real			NULL	No	Sí
Advances	Variable	Real			0	Sí	No
AdvancesCur	Derivado	Real			0	Sí	No
Exchange	Variable	Real			NULL	No	Sí
Balance	Derivado	Real			NULL	No	Sí
BalanceCur	Derivado	Real			NULL	No	Sí
Observaciones:							
<input type="checkbox"/> Limpiar <input type="checkbox"/> Información Temporal <input type="checkbox"/> Notas >>							
<input type="checkbox"/> Alias							
<input type="checkbox"/> Clase: Expense							
<input type="checkbox"/> Aceptar <input type="checkbox"/> Cancelar							

FIG. 11A

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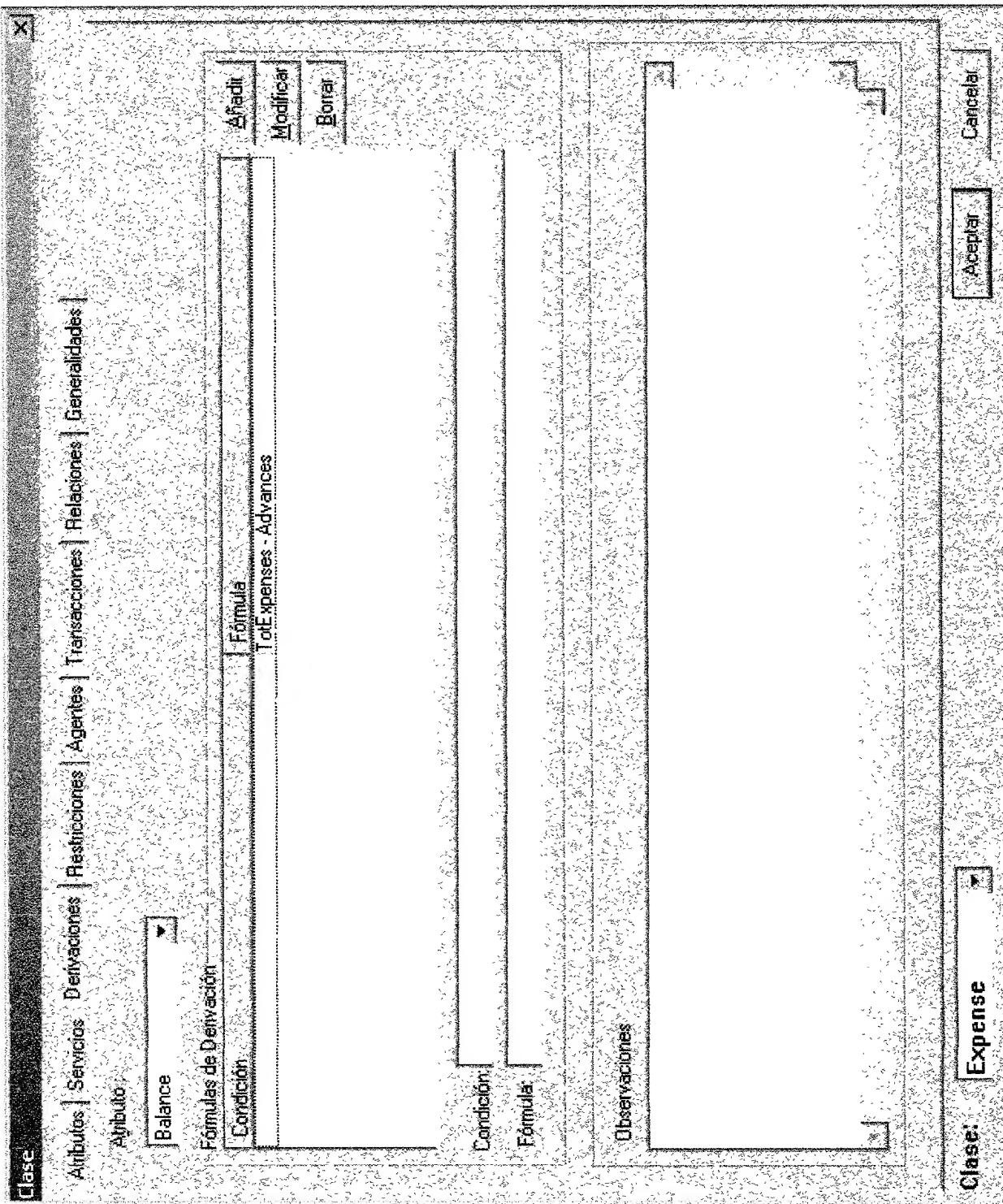


FIG. 11B

AUTOMATIC SOFTWARE PRODUCTION SYSTEM
INVENTOR: IBORRA AND PASTOR
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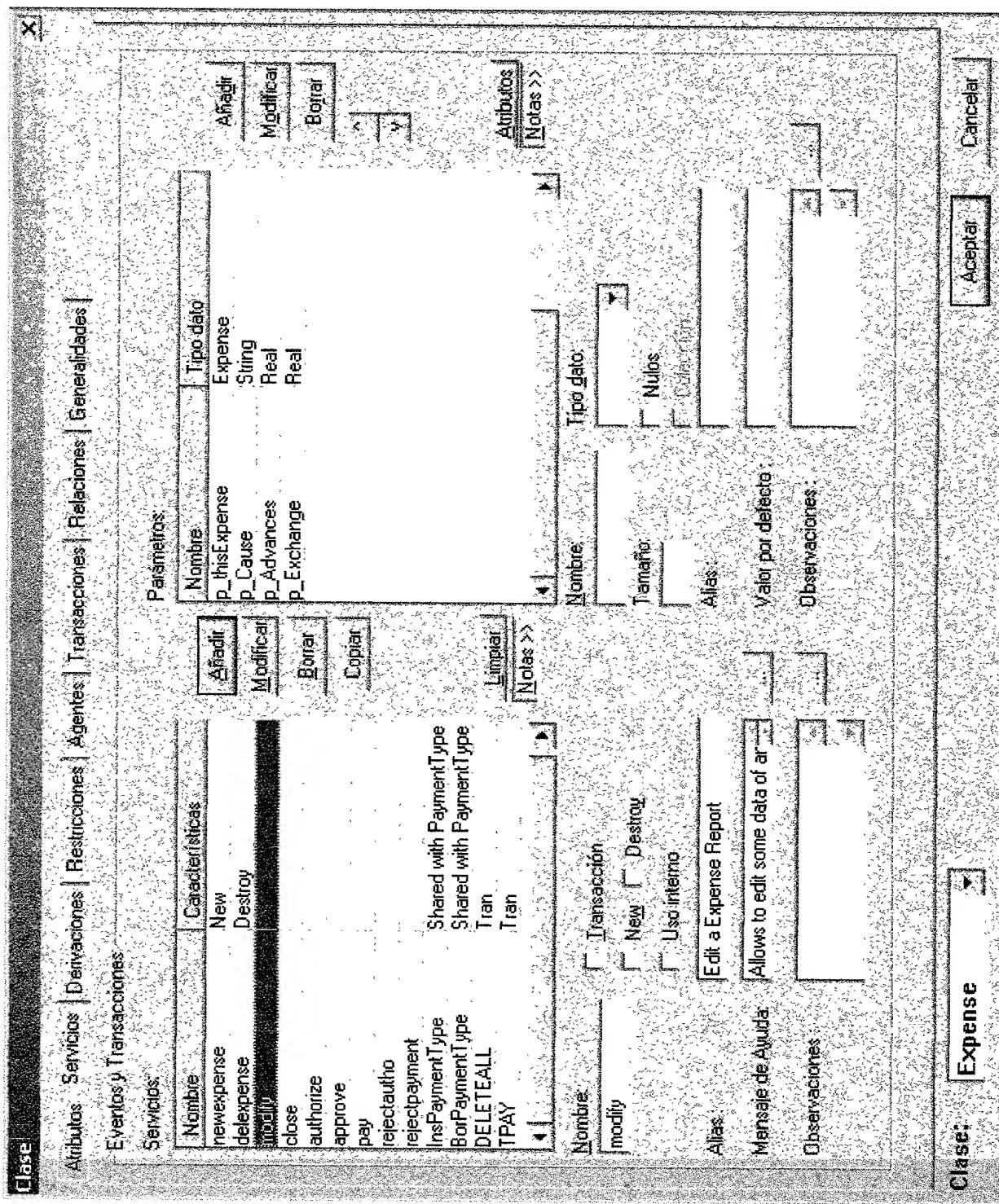


FIG. 12

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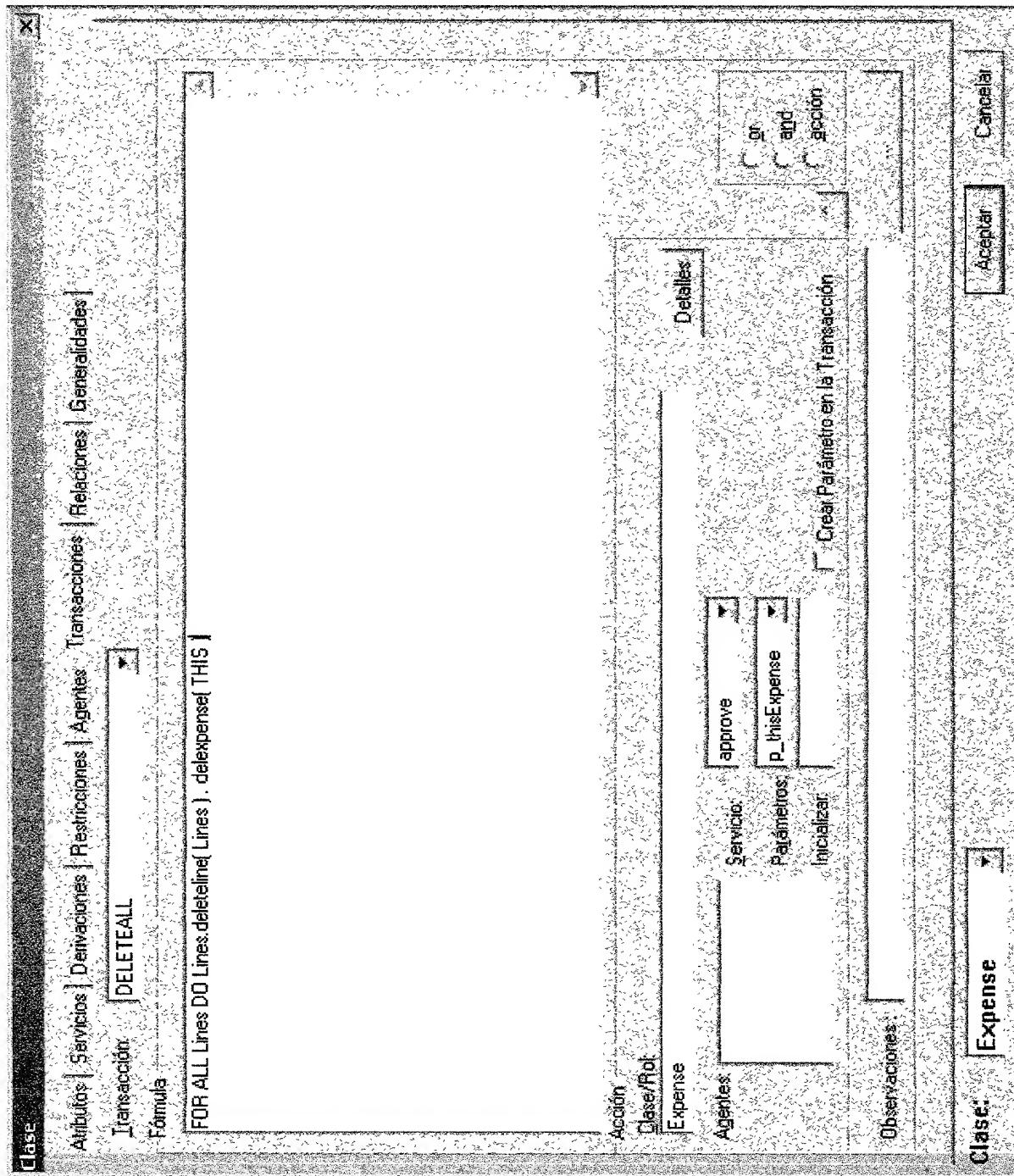
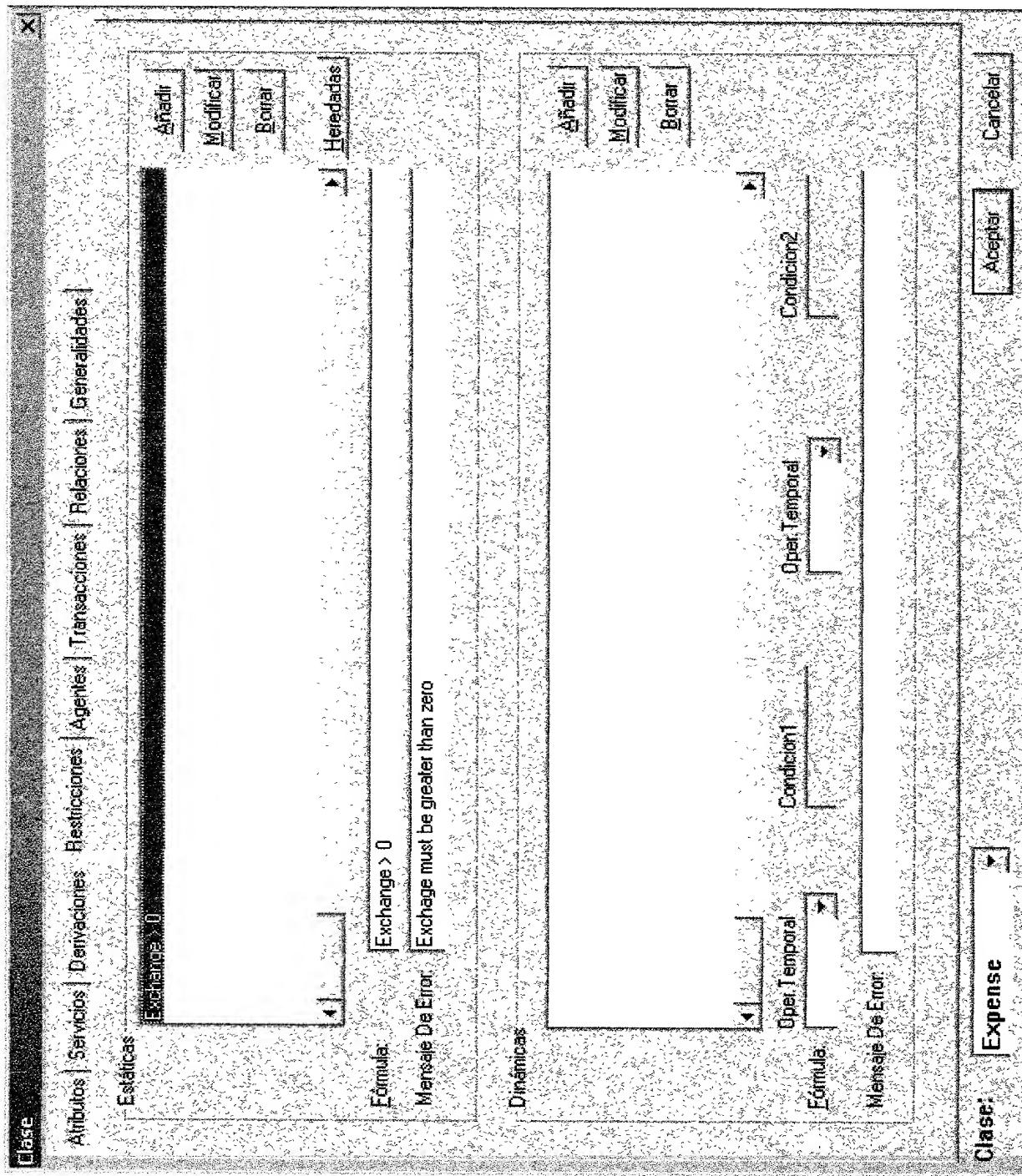


FIG. 13

FIG. 14



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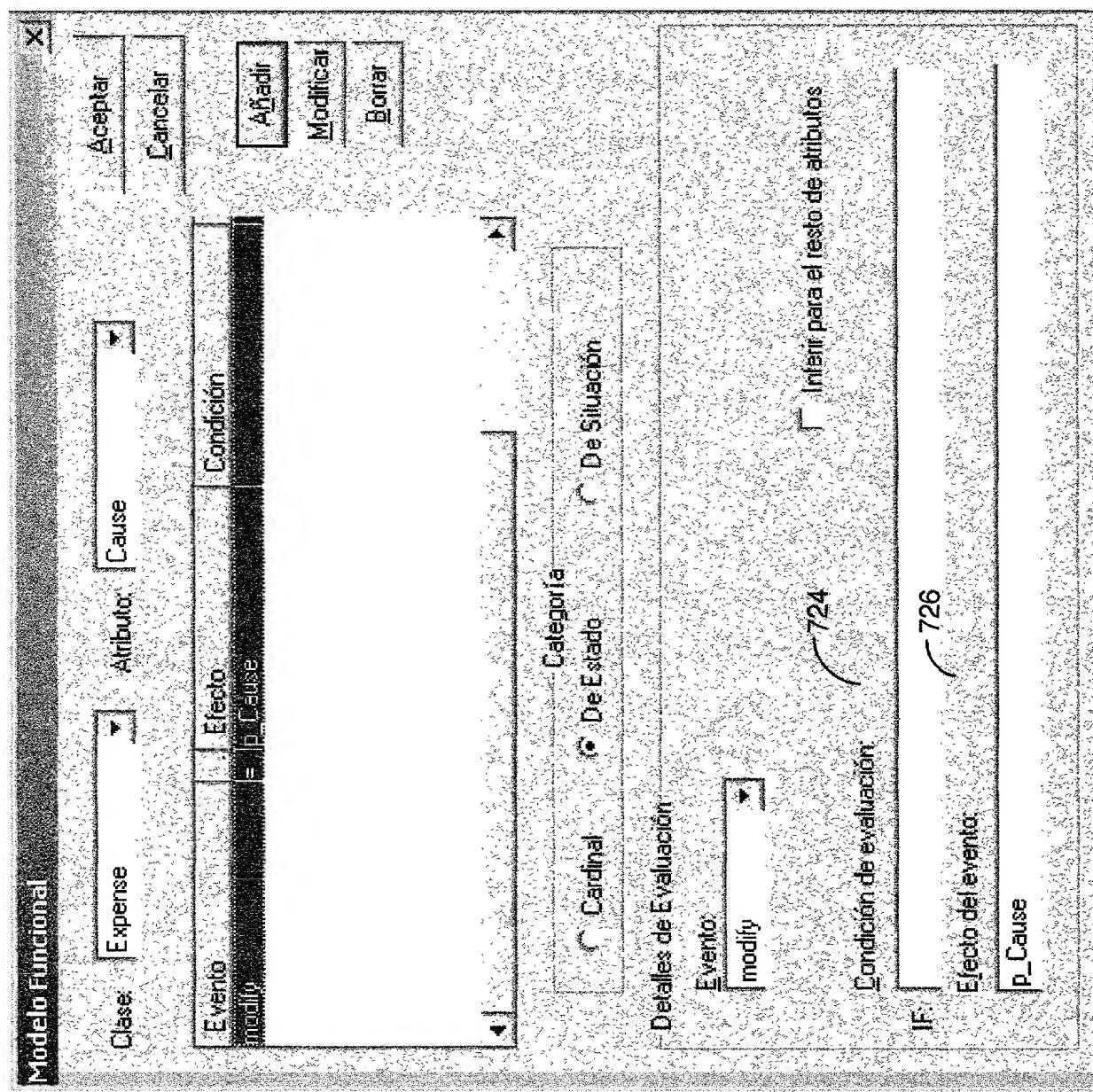


FIG. 15

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AGENT RELATIONSHIP DIALOG THAT CAN BE USED TO SET WHICH SERVICES "ACCOUNT USE" CAN ACCESS AND VISIBILITY OF CLASS ATTRIBUTES FOR THIS USER

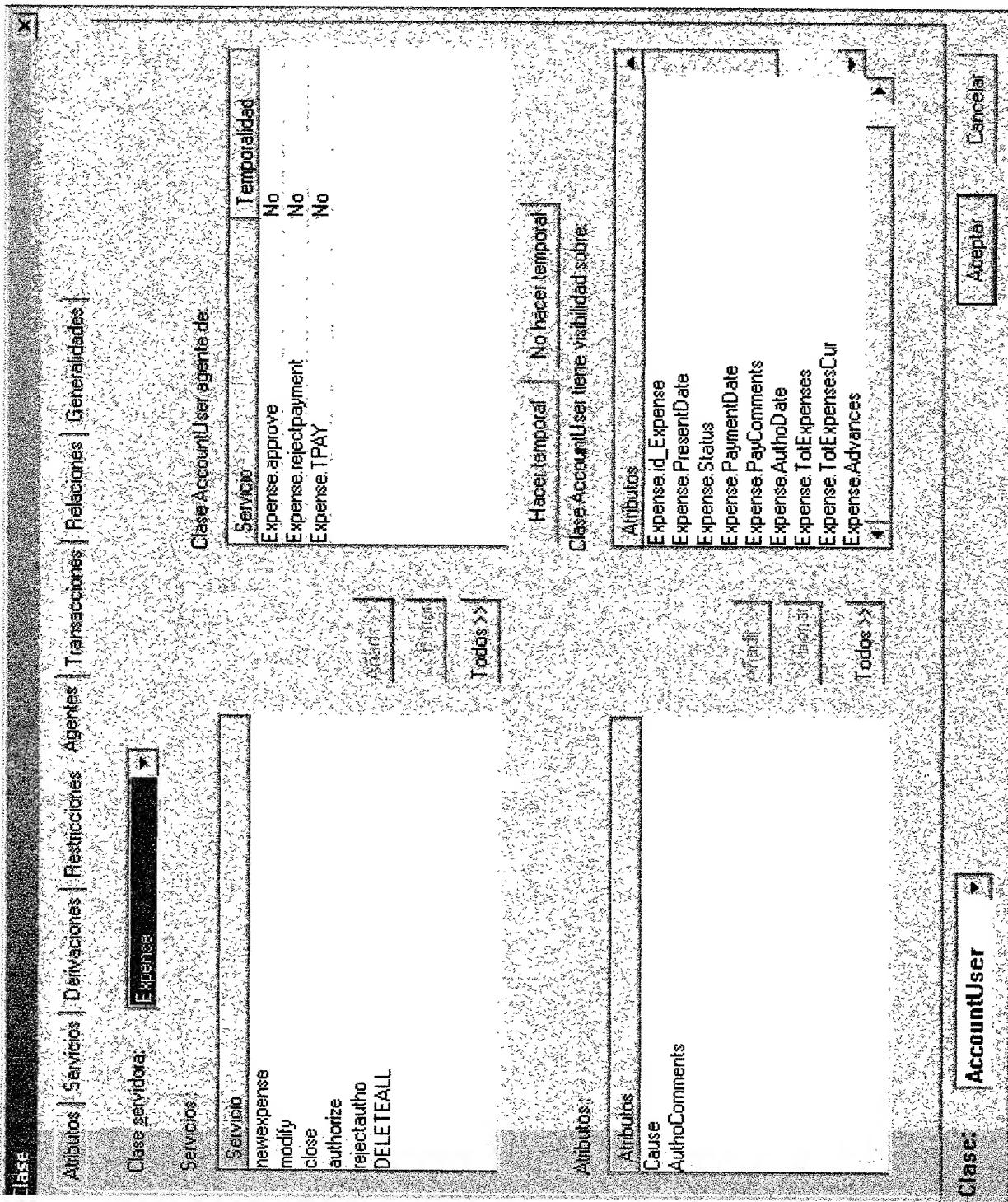
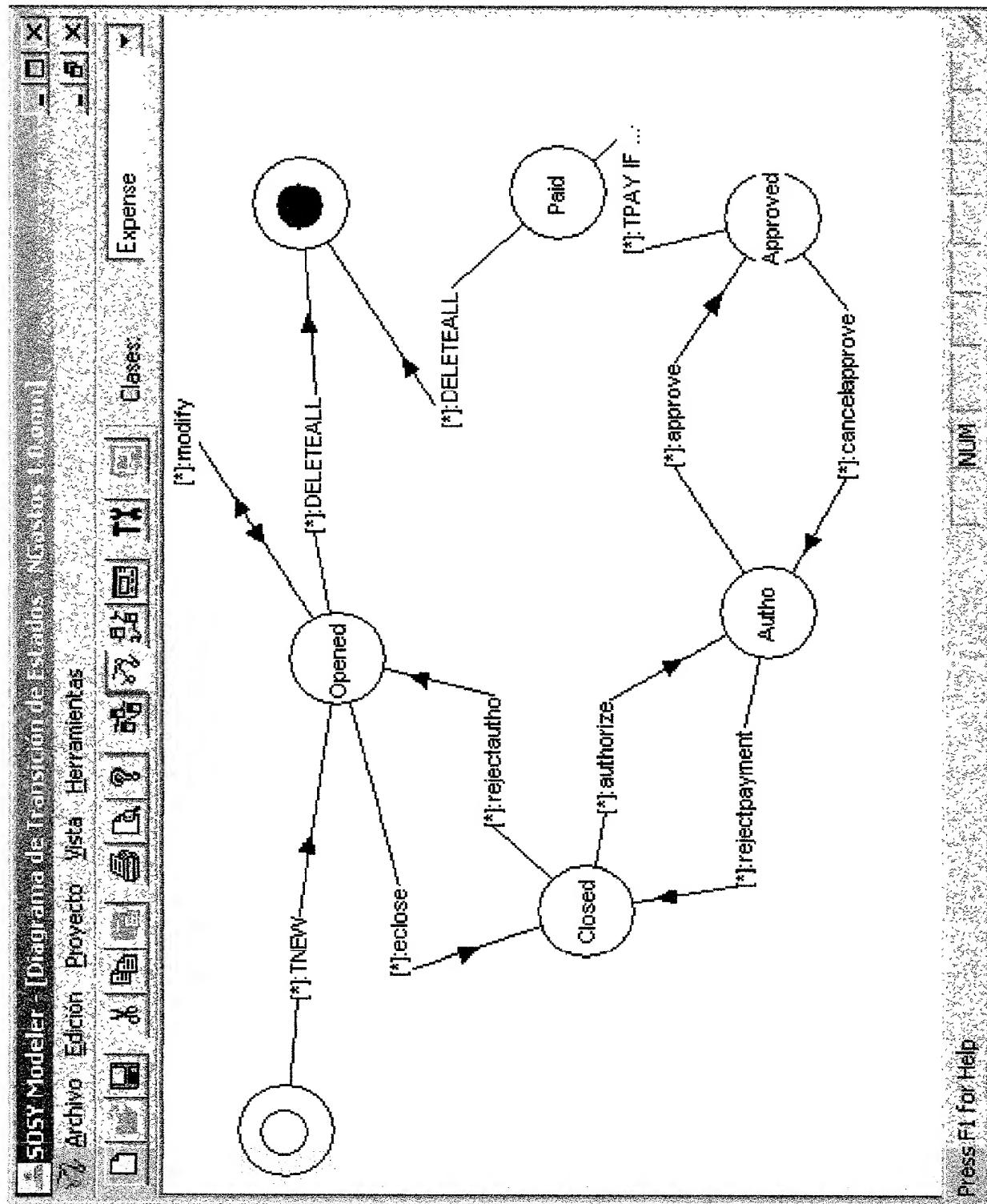


FIG. 16

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STATE TRANSITION DIAGRAM FOR CLASS "EXPENSE"



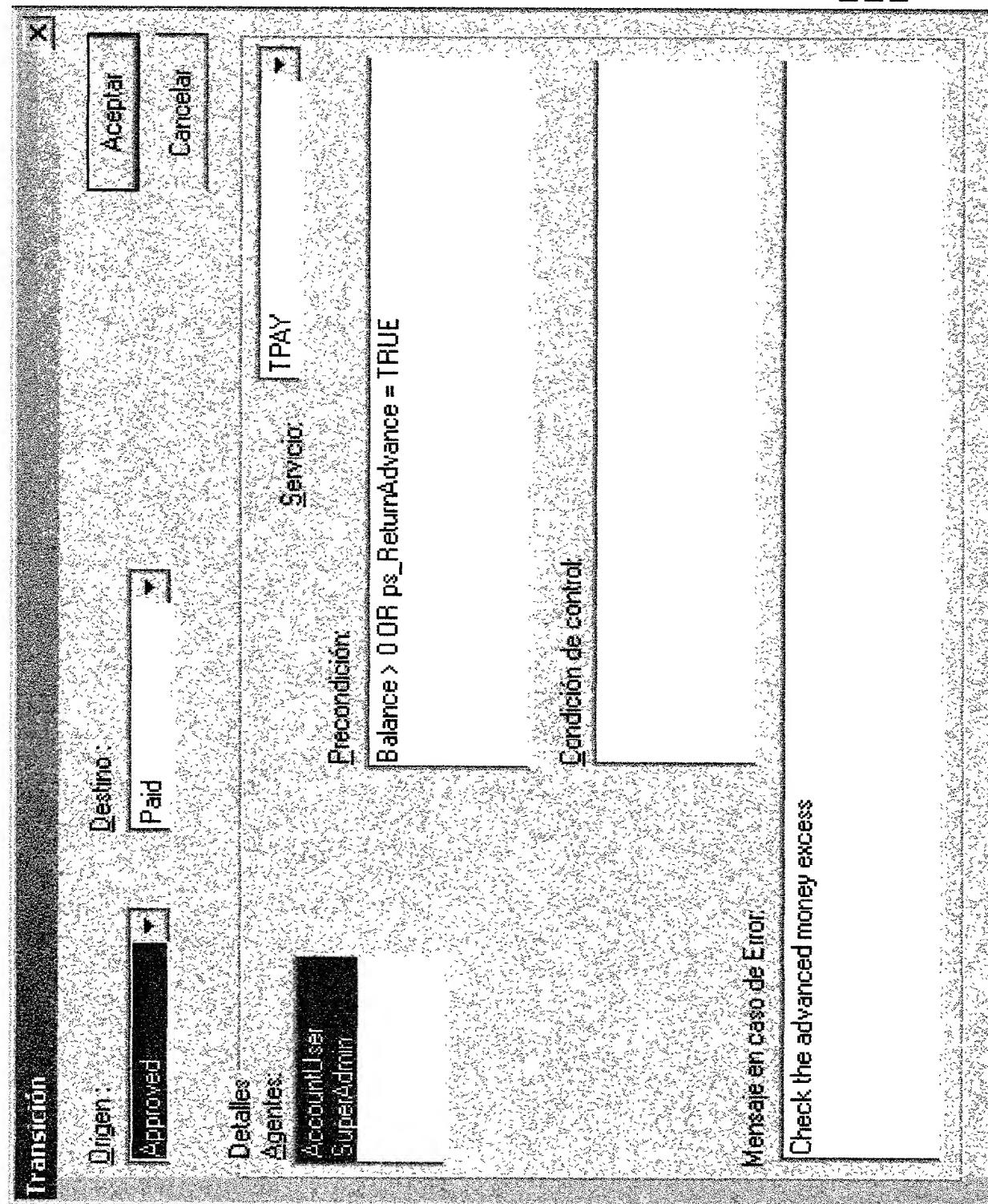


FIG. 18

DIALOG BOX USED BY
 SOSY MODELER
 TO ESTABLISH A SET OF
 ATTRIBUTES
 TO BE DISPLAYED FOR
 THE "EXPENSE" CLASS

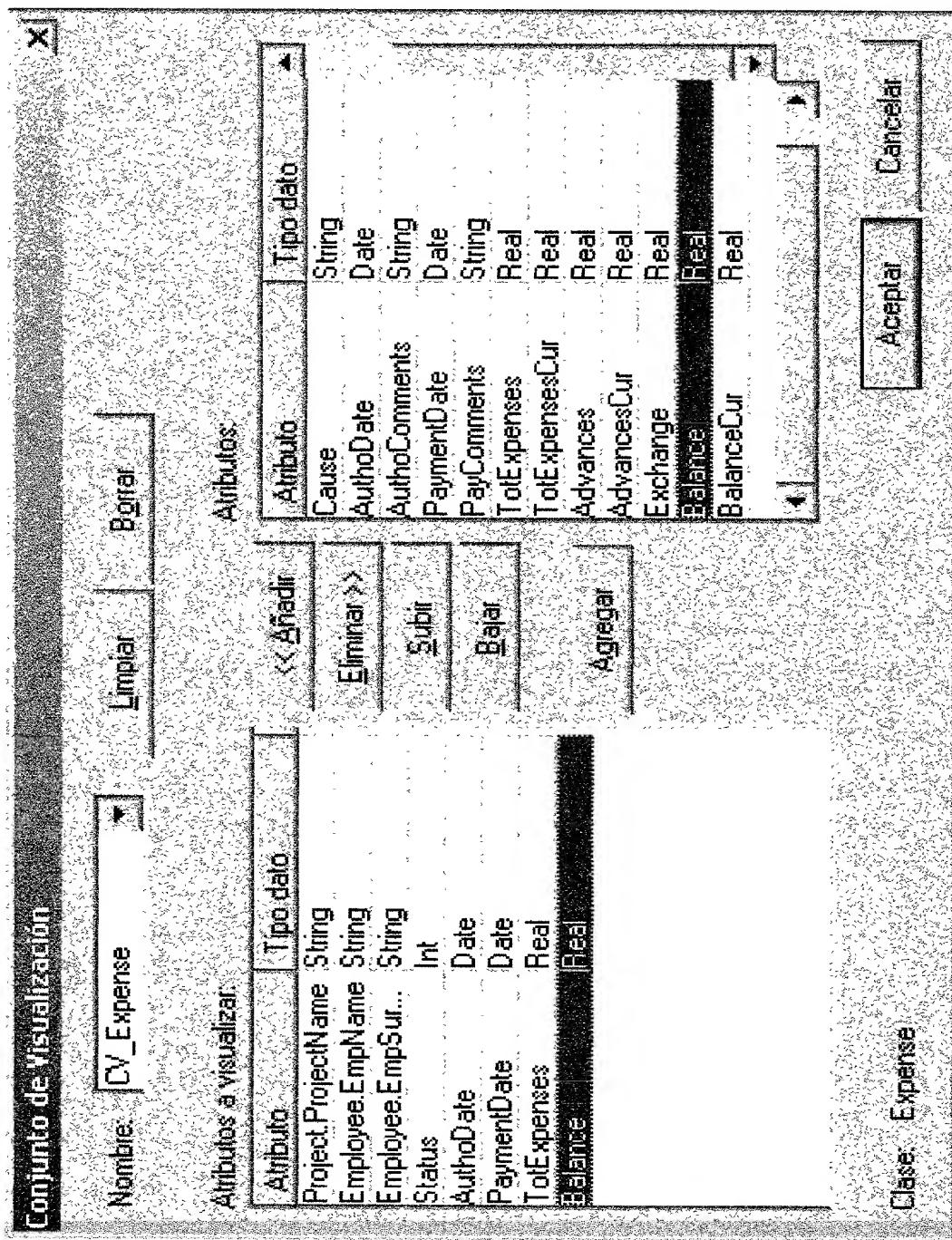


FIG. 19

Filtro

Expense **Alias** **Expense Reports** **Limpiar** **Borrar**

Variables

Nombre	Alias	Tipo dato	Project	Estilo	Nueva
vf_Project			Project		
vf_Employee		Employee	Employee		
vf_DateIssue		Initial Issuing Date	Date		
vf_DateEndIssue		Final Issuing Date	Date		
vf_DateInApp		Initial Approving Date	Date		

Observ:

Formula:

```
Project = vf_Project AND Employee = vf_Employee AND
PresentDate >= vf_DateIssue AND PresentDate <= vf_DateEndIssue AND
AuthoDate >= vf_DateInApp AND AuthoDate <= vf_DateEndApp AND
PaymentDate >= vf_DateInPay AND PaymentDate <= vf_DateEndPay AND
```

Tipos

Nombre	Alias	Tipo dato	Estilo	Nombre	Alias	Tipo dato

Estilo de ingreso **Estilo de selección**

Clase **Expense** **Cancelar**

DIALOG BOX USED BY
 SOSY MODELER
 TO ESTABLISH THE
 SEARCHING CRITERIA
 FOR THE EXPENSE
 CLASS AND TO ESTABLISH
 THE FILTER FORMULA
 TO USE AND THE
 VARIABLES TO REQUEST
 THE USER TO ENTER

FIG. 20

FLOWCHART OF THE FUNCTIONS THAT ALL SPECIES IN THE
DOCUMENTATION GENERATOR TRANSLATOR SUBGENUS WILL PERFORM

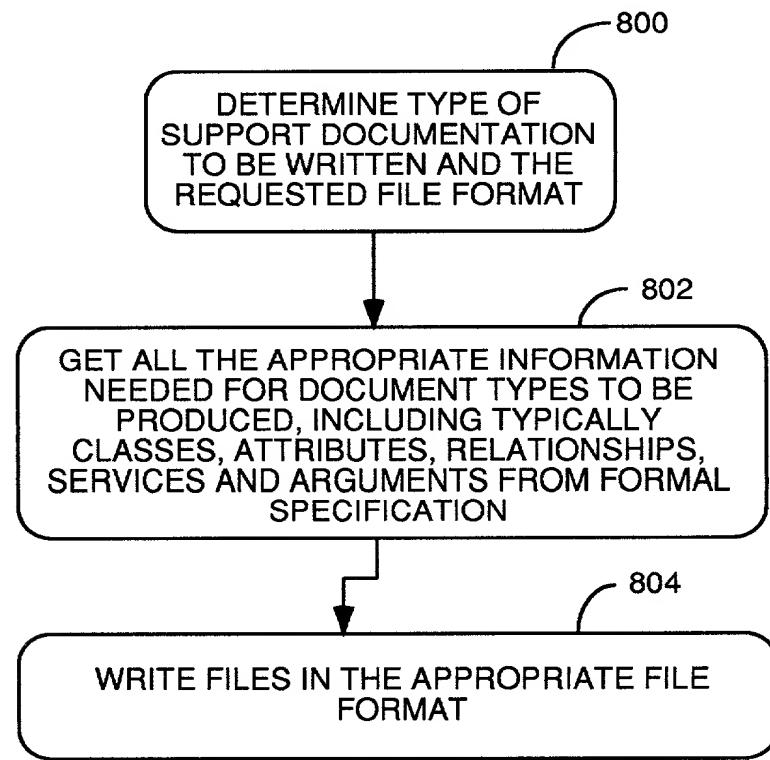


FIG. 21